



The Institution of Engineers, Malaysia

Bangunan Ingenieur, Lots 60/62, Jalan 52/4, Peti Surat 223, 46720 Petaling Jaya, Selangor Darul Ehsan
Tel: 03-79684001/2 Fax: 03-79577678 E-mail: sec@iem.org.my IEM Homepage: <http://www.myiem.org.my>

TALK ON

"Control & Instrumentation (C&I) Automation – what you need to know to be good at it. Why a C&I career is future proof and in demand ..."

Organised by the Consulting Engineering Special Interest Group, IEM

BEM Approved CPD/PDP Hours: 2

Ref No: IEM16/HQ/409/T

Date : 24 September 2016 (Saturday)
Time : 11.00 am – 1.00 pm (*Refreshments will be served at 10.30 am*)
Venue : C&S and TUS Lecture Room, 2nd Floor, Wisma IEM, Petaling Jaya, Selangor
Speaker : Ir. Vignaeswaran

SYNOPSIS

In a world where high volume production, low cost, limited manpower, shortage of expertise is a norm, the need to automate and control processes and productions cannot be overlooked. Be it from the simple newspaper printing, F&B packaging to the much more complex robotic car manufacturing, the need to understand the fundamentals is a compulsory requirement.

Automation, Control & Instrumentation is not taught as an official engineering discipline in established Universities. It has been an 'acquired' skill and knowledge more from the IT discipline and computer industry practices. However, migrating 'ultra low voltage' technologies to 'very high voltage' applications can result in problems, if it is not done with care and due consideration. This session hopes to share the speaker's experience in addressing the areas of concern and design issues that must be resolved prior to the successful implementation of any automation system.

The areas covered will include SCADA database design, the correct use of PLCs, C&I methodology and design approaches that should be taken for specific application areas. It will also give an insight into how to become familiar with the automation industry and slowly build up one's internal expertise.

BIODATA OF SPEAKER

A specialist in Electrical, C&I and Business Information automation systems, Ir. Vignaeswaran has established his technical expertise in the design and implementation aspects of Distributed Control Systems (DCS), Supervisory Control and Data Acquisition Systems (SCADA), Substation Control System (SCS) and has published several international papers on them.

He has to date undertaken large scale power plant and building services automation project from design start to field finish. He started out by studying the Human-Machine / Man-Machine Interface (HMI/MMI) interfaces at TNB's NLDC and BRCC control centres. He then went on to design and implement the BRCC passive backup system. He was then posted to the Paka power plant Phase II project as the C&I engineer, in charge of the successful implementation of the Elsas-Bailey DCS system, from start to finish.

He has gained a wide area of experience in the Oil & Gas, Building Services, Utility, and Mining electrical and C&I engineering. In addition, he has worked overseas in a USD 3 billion dollar Saudi Arabian King Saud University project. He has a passion for cross-discipline applications, tendering, automation, advanced information systems and project management.

Ir. Yim Hon Wa
Chairman
Consulting Engineering Special Interest Group, IEM

ANNOUNCEMENTS TO NOTE:

- Preferential admission to talk shall be accorded to IEM members (pre-registration and online registration are NOT required). Telephone and/or fax reservation will NOT be entertained.
- Non members may also attend the talk but will need to pay a registration fee of RM50 and an administrative fee of RM15. GST is inclusive.
- For members of affiliated organisations, there will be no registration fee payable. However, they are requested to produce their membership card as proof of membership. For the list of affiliated organisations, please refer to IEM website at www.myiem.org.my under International/MoU.
- Limited seats are available on a "first come first served" basis (maximum 100 participants).
- IEM members are required to produce membership cards for confirmation of attendance (CPD purpose).
- Latecomers will not be allowed to enter if the lecture hall is full nor be entitled to CPD.
- ***IEM members who fail to produce their membership cards will be charged a fee of RM25.00. GST is inclusive.***

ADMINISTRATIVE FEE

- Kindly be informed that an administrative fee of RM15 is payable for talks organized by IEM. GST is inclusive.
- The fee would be used to cover overhead costs, building maintenance expenses as well as contribute to Wisma IEM Building Fund.
- All contributions will be deeply appreciated by IEM.
- Student Members are however exempted.

PERSONAL DATA PROTECTION ACT

I have read and understood the IEM's Personal Data Protection Notice published on IEM's website at <http://www.myiem.org.my> and I agree to IEM's use and processing of my personal data as set out in the said notice.

CPD HOURS CONFIRMATION

Name:

Membership No:

Signature: